



## TOW VEHICLE PREPARATION

Thanks for purchasing a caravan from InsideOutRV.

This information is to ensure a smooth process getting your vehicle ready to tow your caravan.

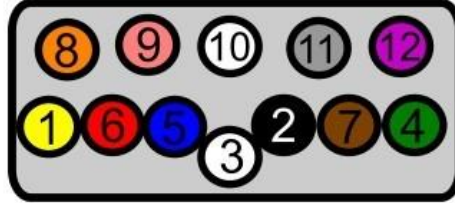
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Tow Vehicle	<p>We recommend your vehicle has a tow rating of 3000-3500kg. Our caravans are also designed to have 9-10% of the caravan weight on the tow ball. This allows them to tow nicely and usually negates the need for any Electronic Stability Control aids.</p>
Tow Ball	<p>You will need a 50mm tow ball fitted. We can assist with set up at handover time and have some removable receiver/tow ball/riser options available for purchase. <i>If you have specified an off-road DO-35 hitch fitted to your caravan, we will supply you with a suitable pin.</i></p>
Brake Controller	<p>You will need an electric brake controller fitted in your vehicle. There are several options available and the choice is up to you. We use and recommend the REDARC TowPro, ElecBrakes, and Witi Electric Brake Controllers. We sell all of these in our shop, or ask your sales person to advise which is best for you. Some of these need to be installed by an auto-electrician prior to collection of your caravan.</p>
Reverse/ Rear View Camera	<p>All InsideOut RV caravans include a wired reverse/rear view camera. These enable you to see behind your caravan while you are travelling (rear view camera) and when reversing. We will send you a monitor approx. 1 month before handover so that you can get this installed in advance, by an auto-electrician. A wiring loom will normally also be supplied.</p>
Charging	<p>Anderson Plugs come standard with InsideOutRV caravans. To utilise this you will need to get a 50 Amp female Anderson plug hardwired into your vehicle by an auto electrician.</p>
Wheel nuts	<p>We recommend you have a Torque Wrench and a 19mm socket to check your wheel nuts are secure and set. These should be set 135Nm. Over-tightened and under-tightened wheel nuts can be dangerous, and it is advisable that these get checked regularly. A visual check of the wheel nuts, wheels and tyres is highly advised after every stop on your journeys.</p>

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## 12 PIN PLUG WIRING

InsideOut RV caravans are fitted with a 12 pin plug as standard.



PIN	CIRCUIT	WIRE SIZE	Colour
1	Left Indicator	3mm	Yellow
2	Spare		
3	Earth	3mm	White
4	Right Indicator	3mm	Green
5	Electric Brakes from Brake Controller	4mm	Blue
6	Stop Lights	3mm	Red
7	Tail/Clearance Lights	3mm	Brown
8	Battery Feed for Fridge	8mm	Red
9	<del>Electric Brake Battery Monitor Wire</del> (only required in New South Wales)	3mm	Purple
10	Earth (Negative) feed to fridge	8mm	Black
11	Spare		
12	AES Fridge Control circuit (IGN)	3mm	Orange

Note: A Compressor Fridge setup does not use Pin 8 or 10. These are connected to the caravan batteries

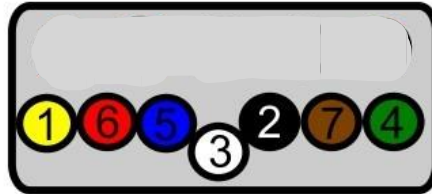
## 50A ANDERSON PLUG WIRING

ANDERSON PLUG	Connected to BATTERIES	Battery Charging form Vehicle
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The refrigerator control/power is optional and set up by choice by customer. We believe this does not need battery protection/charge control as this is inbuilt in most 3way fridges. The 50A Anderson plug is optional and not really required due to the [high] number of solar panels fitted (standard) to our InsideOutRV caravans.

We suggest the brake controller is fitted and wiring run in conjunction with the rear-view monitors wiring.

## 7 PIN PLUG WIRING



PIN	CIRCUIT	WIRE SIZE	Colour
1	Left Indicator	3mm	Yellow
2	Spare		
3	Earth	3mm	White
4	Right Indicator	3mm	Green
5	Electric Brakes from Brake Controller	4mm	Blue
6	Stop Lights	3mm	Red
7	Tail/Clearance Lights	3mm	Brown

## 50A ANDERSON PLUG WIRING

ANDERSON PLUG	Connected to BATTERIES	Battery Charging from Vehicle
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The refrigerator control/power is optional and set up by choice by customer. We believe this does not need battery protection/charge control as this is inbuilt in most 3way fridges.

The 50A Anderson plug is optional and not required due to the solar panels fitted (standard) to our InsideOutRV caravans.

We suggest the brake controller is fitted and wiring run in conjunction with the rear-view monitors wiring.